



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RBE1X56-137-180-7

Job Sheet 193933



Part No: RBE1X56-137-180-7

Job Qty: 4 pcs

Part Name: Bolt (Modified B/O)



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 4/24/19

Job Tracking No:

Due Date: 6/28/19

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG RBE1X56-137-180 Rev 2 IPP Rev. A 19.04.15 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard	Workcenter/Supplier	Sign-off
					Setup Run Hrs Hrs	Workcenter / Supplier Lead Time	
100	Conventional Lathe - 1	4 pcs	6/28/19		0.08 0.27	Conventional Lathe - 1	DAS 71 14-5-29 9-89
						Conventional Lathe - 2	
110	QC 2	4 pcs	6/28/19		0.00 0.00	QC 2 - 1	
						QC 2 - 12	
						QC 2 - 14	
						QC 2 - 17	
						QC 2 - 19	
						QC 2 - 2	
						QC 2 - 20	
						QC 2 - 22	
						QC 2 - 23	
						QC 2 - 25	
						QC 2 - 32	
						QC 2 - 33	
						QC 2 - 35	
						QC 2 - 39	
						QC 2 - 4	
						QC 2 - 40	
						QC 2 - 44	
						QC 2 - 45	
						QC 2 - 48	
						QC 2 - 49	
						QC 2 - 50	
						QC 2 - 51	
						QC 2 - 52	
						QC 2 - 57	
						QC 2 - 62	
						QC 2 - 63	
						QC 2 - 8	
						QC 2 - 66	
						QC 2 - 64	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S185055



Part No: RBE1X56-137-180-7

Job No: 193933

Serial No/Batch: S185055

Revision: 2

Inspector:

Print Date:

Instructions:

Date: 05/29/19

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120 QC 8	4 pcs	6/28/19	0.00 0.00	QC 2 - 65	
				QC 2 - 5	
				QC 2 - 71	19-5-29
				QC 8 - 12	
				QC 8 - 14	
				QC 8 - 17	
				QC 8 - 20	19-05-29
				QC 8 - 25	
				QC 8 - 3	
				QC 8 - 32	
				QC 8 - 33	
				QC 8 - 35	
				QC 8 - 39	
				QC 8 - 4	
				QC 8 - 44	
				QC 8 - 45	
				QC 8 - 49	
				QC 8 - 58	
				QC 8 - 8	
				QC 8 - 9	
				QC 8 - 68	
				QC 8 - 67	
				QC 8 - 1 (A)	
				QC 8 - 47	
				QC 8 - 40	
				QC 8 - 52	
				QC 8 - 23	
130 Outsource - 12 - Black Oxide	4 pcs	6/28/19		GRO002-VC	19-05-31
140 Packaging 2-1 - Receive - B4B	4 pcs	6/28/19	0.00 0.00	Packaging 2 - 1 - B4B	
				Packaging 2 - 2 - B4B	
				Packaging 2 - 3 - B4B	
				Packaging 2 - 5 - B4B	
				Packaging 2 - 4 - B4B	
				Packaging 2 - 6 - B4B	
				Packaging 2 - 7 - B4B	
				Packaging 2 - 8 - B4B	
				Packaging 2 - 9 - B4B	
				Packaging 2 - 10 - B4B	
				Packaging 2 - 11 - B4B	
				Packaging 2 - 12 - B4B	
				Packaging 2 - 13 - B4B	
				Packaging 2 - 14 - B4B	
				Packaging 2 - 15 - B4B	
				Packaging 2 - 16 - B4B	
				Packaging 2 - 17 - B4B	
				Packaging 2 - 18 - B4B	
				Packaging 2 - 19 - B4B	
				Packaging 2 - 20 - B4B	
				Packaging 2 - 21 - B4B	
				Packaging 2 - 22 - B4B	
				Packaging 2 - 23 - B4B	
				Packaging 2 - 24 - B4B	
				Packaging 2 - 25 - B4B	
				Packaging 2 - 26 - B4B	
				Packaging 2 - 27 - B4B	
				Packaging 2 - 28 - B4B	
				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	

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					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
150 QC 6	4 pcs	6/28/19	0.00 0.00		QC 6 - 9	
					QC 6 - 68	
					QC 6 - 61	
					QC 6 - 40	
160 Packaging 3-1 - Stock - B4B	4 pcs	6/28/19	0.00 0.00		Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
170 QC 21 - SA	4 pcs	6/28/19	0.00 0.00		QC 21 - SA - 21	
					QC 21 - SA - 70	
					QC 21 - SA - 53	

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JUN 17 2019

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JUN 18 2019

Part Op 100 - (Manufacture as per dwg)1-Machine as per DWG. 2-Deburr
 Descriptions: 110 - (QC2- Inspect parts off machine FAI/FAIB)

120 - (QC8- Inspect parts - second check)

130 - -Issue P/O; _____ -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; Steel -Certificate of Conformity is required

140 - (Receive & Inspect for Damage & Mat'l Certs)

150 - (QC6- All purchased or subcontracted products)

160 - (Identify as per dwg & Stock Location: _____)

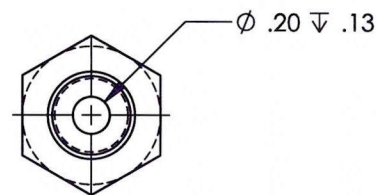
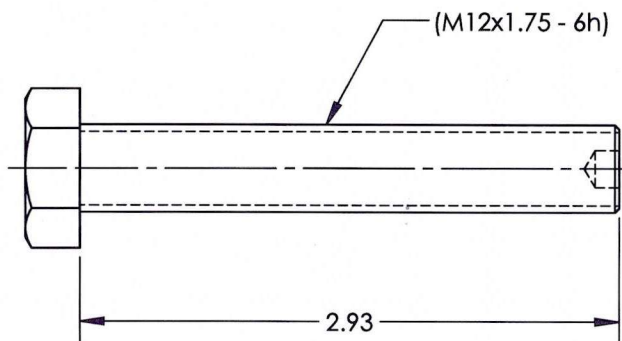
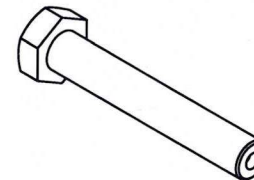
170 - (QC21- Final Inspection - Work Order Release)

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
0159018	Bolt, M12 X 1.75mm X 75mm	4 (1 ea)	100-Conventional Lathe - 1	S180452 GA070
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Conventional Lathe - 1	0159018	4	0	0
Part Specifications				
Specifications could not be found.				

Plex 4/24/19 1:09 PM Dart.lajeunesse.marie

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0126	-7 CH'D DIMS WAS 2.925 IS 2.93, WAS Ø.375 DEPTH .125 IS Ø.20 ±.13, WAS M12 X 1.75 IS (M12 X 1.75 - 6h). ADDED SPEC QMSI-6.2.2, B.O. REV D.	8/29/2016	DEW	JAG



SHOP COPY
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SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 193933 MLW

1904-24

(-7)

BOLT

DART AEROSPACE	
TITLE PULLER	
DWG NO. RBE1X56-137-180-7	REV 2
MAT'L STEEL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX $\pm .005$ FRACTIONS $\pm 1/8$
FINISH BLACK OXIDE	.XX $\pm .01$ ANGLES $\pm 5^\circ$
SPEC QMSI-6.2.2, B.O. REV D	X $\pm .1$ SURFACES = 125
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES 015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	EC135, EC635, H135
SCALE 1:1	DATE 7/8/2010
SHEET 5 OF 5	

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐		FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					



Dart Aerospace Ltd.
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Tel (613) 632-5200

PURCHASE ORDER

POHB043597



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

Attention: Grenon, Sylvie

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB043597

PO Date: 5/31/19

Due Date: 6/7/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

E-MAILED
2019-06-03

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	194268	RBE350A93-3201-00-21	Bolt (Modified B/O) -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; Steel -Certificate of Conformity is required	Firmed	-	6/7/19	5 pcs	0 pcs	5 pcs	\$7.50/pcs	\$37.50
2	194269	RBE350A93-3201-00-22	Washer -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 1018 -Certificate of Conformity is required	Firmed	-	6/7/19	5 pcs	0 pcs	5 pcs	\$7.50/pcs	\$37.50



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PURCHASE ORDER

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Items												
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price	
3	195089	RBE350A93-3713-00-21	Mount -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; DOM -Certificate of Conformity is required	Firmed	-	6/7/19	1 pcs	0 pcs	1 pcs	\$7.50/pcs	\$7.50	
4	195095	RBE350A93-3712-00-24	Mount -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; DOM -Certificate of Conformity is required	Firmed	-	6/7/19	1 pcs	0 pcs	1 pcs	\$7.50/pcs	\$7.50	
5	193933	RBE1X56-137-180-7	Bolt (Modified B/O) -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; Steel -Certificate of Conformity is required	Firmed	-	6/7/19	4 pcs	0 pcs	4 pcs	\$7.50/pcs	\$30.00	
Grand Total:											\$120.00	

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803-06-19



Dart Aerospace Ltd.
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PURCHASE ORDER

POHB043597



Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

A handwritten signature in black ink, appearing to be "KJ" or similar, located to the right of the Order Notes section.

Plex 6/3/19 8:56 AM Dart.Guerin.Kimberley



Certificat de Conformité / Certificate of Compliance

(019666-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

019666- 1

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.				
13-Jun-2019		SVETLANA DORZHIYEVA					POHB043597	
#Ligne Line#	No. de Série / # Pièce Part Number /Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir/ Back Order
1	RBE350A93-3201-00-21 ✓ Rev.	RBE350A93-3201-00-21 01 - OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY A THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE 3 OR MILL-C23411A OR MIL-PRF-81309 WIPE OFF EXCESS OIL	OXIDE-BLACK CH	5	5	0	0	0
2	RBE350A93-3201-00-22 ✓ Rev.	RBE350A93-3201-00-22 01 -OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY A THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE 3 OR MILL-C23411A OR MIL-PRF-81309 WIPE OFF EXCESS OIL	OXIDE-BLACK CH	5	5	0	0	0
3	RBE350A93-3713-00-21 ✓ Rev.	RBE350A93-3713-00-21 01 -OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY A THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE 3 OR MILL-C23411A OR MIL-PRF-81309 WIPE OFF EXCESS OIL	OXIDE-BLACK CH	1	1	0	0	0
4	RBE350A93-3712-00-24 ✓ Rev.	RBE350A93-3712-00-24 01 -OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY A THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE 3 OR MILL-C23411A OR MIL-PRF-81309 WIPE OFF EXCESS OIL	OXIDE-BLACK CH	1	1	0	0	0
5	RBE1X56-137-180-7 ✓ Rev.	RBE1X56-137-180-7 01 -OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY A THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE 3 OR MILL-C23411A OR MIL-PRF-81309 WIPE OFF EXCESS OIL	OXIDE-BLACK CH	4	4	0	0	0

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JUN 14 2019

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Certificat de Conformité / Certificate of Compliance

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 www.groupaltech.com

Bon de Livraison / Packing Slip

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Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.				
13-Jun-2019		SVETLANA DORZHIYEVA		POHB043597				
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Quantités / Quantities				
				Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir/ Back Order

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.